

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An electric drive unit for generating an oscillating movement, the drive unit comprising:
a stator;
a rotor comprising a hollow shaft;
a torsion element comprising a torsion rod at least partially arranged within the hollow shaft and coupling the stator and rotor to one another in a torsionally elastic fashion; and
a tuning element, which acts upon the torsion element and serves for is configured to be fixed to the torsion rod at selectable positions along the torsion rod to mechanically tune the resonant frequency of the drive unit ~~wherein the rotor comprises a hollow shaft, and wherein the torsion element is at least partially arranged within the hollow shaft.~~
2. (Canceled).
3. (Currently Amended) The drive unit according claim [[2]] 1, wherein the tuning element is arranged on the stator such that it can be configured to be displaced with respect to the stator and then fixed in displaced position.
4. (Previously Presented) The drive unit according to claim 3, wherein the tuning element is displaceable parallel to the longitudinal axis of the drive unit.
5. (Previously Presented) The drive unit according to claim 3, whercin the tuning element engages into at least one groove in the stator.
6. (Previously Presented) The drive unit according to claim 1, wherein the tuning element comprises a clamping device.

7. (Previously Presented) The drive unit according to claim 6, wherein the tuning element comprises two parts and at least one connecting element configured to draw the two parts together.
8. (Currently Amended) The drive unit according to claim 1, wherein the torsion element is fixed [[on]] to the rotor.
9. (Canceled).
10. (Previously Presented) The drive unit according to claim 1, further comprising a housing having a recess arranged to accommodate the tuning element.
11. (Previously Presented) The drive unit according to claim 1, wherein the stator comprises permanent magnets and at least one coil.
12. (Currently Amended) The drive unit according to claim 1, wherein the rotor comprises an armature (9) of a magnetizable material.
- 13-14. (Canceled).
15. (Withdrawn; Currently Amended) A method of manufacturing an electric drive unit for generating an oscillating movement, wherein the drive unit comprises a stator, a rotor comprising a hollow shaft, a torsion element comprising a torsion rod at least partially arranged within the hollow shaft and coupling the stator and rotor to one another in a torsionally elastic fashion, and a tuning element that acts upon the torsion element and is configured to be fixed to the torsion rod at selectable positions along the torsion rod to mechanically tune the resonant frequency of the drive unit, and wherein the resonant frequency of the drive unit is mechanically tuned, the method comprising:
exciting the drive unit to generate an oscillating movement; and
determining from the oscillating movement a desired location on the torsion element for securing the tuning element to tune a resonant frequency of the drive unit.

16. (Withdrawn) The method of claim 15, further comprising fixing the torsion element on the tuning element in the desired location.
17. (Withdrawn) The method according to claim 16, wherein exciting the drive unit comprises exciting the drive unit by pulses.
18. (Withdrawn) The method according to claim 15, further comprising switching the drive unit off, and then fixing the torsion element in a rotational position that the rotor assumes when the drive unit is switched off.